

**Project Meeting**  
for  
**Stormwater N BMP Implementation Project**  
382 Falmouth Road (Rt. 28), Barnstable, MA  
[See teleconferencing details below]

February 4, 2015 (1:30 – 3 PM)

**Proposed Agenda**

**Purpose:** A project Kickoff Mtg was October 23, 2014. The purpose of today's meeting will be to go over the conceptual design for a nitrogen (N) best management practice (BMP) retrofit provided in our recent draft Task 1 Summary Memorandum (draft T1SM) and to answer any questions and/or concerns Barnstable may have on the draft T1SM. In addition, it will be helpful to identify and discuss, among other items, coordinating site access; in-kind services EPA may anticipate from Barnstable, including permitting (as appropriate); and site management of materials.

**1:00-1:35 Purpose and Introductions**

**1:35-2:45 Overview of Draft T1SM Summary Memo and N BMP Conceptual Design Objectives**

Draft T1SM and Conceptual Design

Site access

In-kind services

Materials management

Sampling of MS4 line to confirm absence of illicit discharge

Other

**2:45-3:00 Anticipated Next Steps and Action Items, and Schedule; Adjourn**

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**1-3-15 Update:** Due to possible adverse weather conditions, we'll use Adobe Connect.

**Conference Call Info - Adobe Connect Link:**

[https://epa.connectsolutions.com/cape\\_bmp/](https://epa.connectsolutions.com/cape_bmp/)

(I will "open" the room a few minutes before 1:30pm. At that time, all participants can use this link to direct them to the meeting room and enter as a guest.)

**Audio Conference Line (1:30pm – 3:00pm):**

Step 1: Dial: (617) 918-2825

Step 2: Enter Password: 568657

**Problem?** Call 617.650.1345 or 978.928.1157

**/attachments**

. Please refer to EPA email of Jan 15, 2015 and the attached draft T1SM

## Meeting Notes:

Dale Saad  
Dan H  
Harbormaster  
CCC  
Town Surveyer

Matt – did anything jump out re: draft T1SM. We have advanced the design since the draft T1SM . . .

Dale – can you focus on the changes to the design?

Nick – updated to show flood lines / also some more grading for contouring

Dale – upflow / surcharge ?

Matt – we did receive some comments about how to handle the inflow, so . . . but this will not change the horizontal position of the BMP. There will not be many substantive changes . . .

Dale – structure across the street once used for il retention . . could this be utilized for some sediment load. it's off line now but was on-line a number of years ago. Original function was hydrocarbon pretreatment . .it's even further up and off the plan.

Matt – how was it taken offline?

Dale – it was just blocked off . . .

Matt – was it not working?

Dale – there was a maintenance issue to it . . .

Nick – could be used. We should look at it; it's configuration, etc. from a design standpoint, it doesn't impact anything . . . EPA's concern was with the deeper sump, . . . it might not be worth it. **Let's discuss at the Pre-Construction Mtg.**

Dale – we wish we could utilize more of the land and get more flow into it . . .

Matt – to treat for N, you only need to treat for 0.3" based on UNH

Nick – one of the constraints with this site is that we wanted to make sure the BMP blends into the existing topography. As you go east, you have to fight the grade more . . .

Matt – what is the concern:

Dale – Growth Management on use of the park . .

GM / Joanne – what is the restoration plan and the final condition to ensure any changes in grade do not impact the walkway . . .

Matt – this design is between concept and 30% design . . . anything you can give us now would help us refine the design.

GM – we can send you some bullets . . . looked at Mashapuag Pond . . but not sure what it will look like when finished . . . i get the dimension

Matt – this would need more of a polished landscaping . . .

GM – yes, that would be helpful . . . to understand interpretive features . . .

Matt – there will be some surfaced water in the aerobic cell; like a puddle . . . go to UNH and look at Tedeschi, but that was more urban than this will be . . .so, **AESTHETICS**

Matt – anaerobic cell will be subsurface . . . we can add plantings . . . we're not going to pave and it won't be 10 ft deep . . . we could look at raingardens . . .

GM – we can do a \*.dwg file to show you what we want; we can help with the design . . .

Eric / Marina Mngt – inflow / outflow . . . reconnect to the MS4

Matt – re: concern about surcharge; engaging flood zone .. should we put a flap gate / tie-gate on the pipe .. do you have experience with these types of controls . . . wouldn't be self-regulating; just a standard . . .

Dale – we like the rubber duck-billed ones. Don't want to sacrifice something important for that. But what's going to impact on flow: QUANTITY.

Matt – we won't impact flow really. Majority of flow will go over the weir and go down the line. We're not increasing flow. You won't notice a difference at the end of the pipe really.

Dale – what about sediment?

Matt – we we put a structure upstream and add a deep sump manhole, you will see a reduction of TSS, altho it's not the 'target' of the BMP . . .

Dale – don't want the system to get overrun with TSS . . .

Matt – ok, then monitor the flow upstream for TSS b/c you will get some settlement there.

Ray – we will prepare an O&M – and we want it to be simple

Ray – put any concerns in writing to me . . .

Matt – site access / materials mngt . . . if Paul has to truck in with a load of gravel and then wait for the next load, it costs. Can we use the parking lot for matls mngt?

Dale – this will depend on when construction will occur . . .

Matt – currently, we would build Barnstable first in April and May . . . depends on permitting . . . we should be finished by 4 weeks / early May . . .

Dale – Season is Memorial Day to Columbus Day . . . we won't get public support if project leaks into this season . . .

Matt – understood. Even if it means addn landscaping. Not concerned about landscaping . . .

\_\_\_?\_\_\_ - what about impacts from construction?

Matt – unless Town can provide some particular in-kind, Paul will handle ‘soups to nuts’ . . . Paul will use small equipment . . . so our intent is to NOT damage the walkaway. Paul’s done lots of work in tough areas.

. . . so April and early May . . .

Joanne/GM – can you locate exactly where on the parking lot . . .b/c lot has multiple users. Dale - also, let us know amounts (volumes)

GM/Dale – over by the sheds would not be a good option . . .

Matt – we can do a sketch with 3 options to help identify the best areas . . .

Dale – is matls mngt permitting issues.

Dale – no. but will you need access from Pleasant St.

Matt – last thing . . . we’re going to excavate and dig, so some materials net cut . . . what do we do with the net cut? Maybe a couple hundred yards of material.

Nick – this site was a bit more urbanized fill . . .

Dale – currently, we’re looking at DPW to pick the material up . . .

Matt – permitting . . . scheduling . . . what do you need from us for permitting and what is timeline? My understanding is an NOI b/c in a flood zone . . . but no net fill . . . and we’re not erecting anything . . .

Dale – objective is to clean up the environment.

GM – not necessarily permitting but vetting the project with the Town Manager.

Matt – how much more plan detail do you need . . .

Dale – they will ask for details on plantings . . . and we’ll provide you with plant list . . . provide grass spec

GM – manager needs to be prepared . . . once we have the material to show him,

Dale – schedule, staging areas,

GM – i pulled up the Tedschi site . . . the END CONDITION is what we need

Matt – we’ll put a package together for you. We go to Town Manager first before Con Com . . . what is your time line . . . Feb 18<sup>th</sup> we know the Town Manager is OK, and we’ve addressed comments with permittable set of drawings ,. . what would be the timeline from this point?

Dale – will talk to Con Com tomorrow and work on the timeline . . .

Matt – we’re thinking this one first, so the earlier in April, the better . . . would not want to start in late April . . .

Dale – maybe we can get going in March . . .

Ray, what about a fence near the walkaway . . .

Dale – maybe shrubs. We would prefer not to fence off a public area . . .

Matt – some standing water / ponding . . .

Ray – illicit

Dale – let me know and we can schedule DPW . . .

Matt – anything else?

Dale – would also like to see the location of the sampling shed . . .

Matt – was originally envisioned was a pre-manufactured wood shed with siding to match ordinances, but 8 x 8 . . . near Maritime Museum.

Joanne – we have a lease with them and might require a lease amendment . . . plus there is a historic district. Joanne not happy about it, but will make it work . . .

Is shed going to be in the AE zone . FMEA zones prevent permanent structure. Permanent means only 180 days of year . . . so if staying for 2 yrs then its permanent . . .

Shed issue needs to be figured out . .

Dale et al. – want small, compact, out of the way . . . it would help if you could make the shed smaller . . .

Ray – rehash next steps

Matt – staging quantities . . . then Dale to GM for sign off, then permitting . . . Dale to talk to Cons. Commission about schedule. They just met last night, and then every 2 wks. DPW will prepare application for Con Com . . .